

Marine Life Protection Act Initiative



MPA Decision Support Tools

North Central Coast Regional Stakeholder Group August 23, 2007 • San Rafael Mary Gleason, Principal Planner • California MLPA Initiative



Tools and Support Available

- Hardcopy maps, charts
- Internet map service site (view all data layers at www.marinemap.org/mlpa)
- Doris MPA decision support tool (view data layers, draw candidate MPAs or candidate arrays of MPAs)
- MLPA Initiative team planning support, GIS analysis, facilitation
- SAT scientific input and evaluation
- BRTF policy and guidance



Decision Support Tools

A decision support tool can be anything that helps to inform and support good decision-making

Some specific software / Internet tools available for your use:

- Internet mapping service site view data layers
- Doris (MPA decision support tool)
- California coastline aerial photos at www.californiacoastline.org
- Google Earth imagery of study region

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SAT Exploring Other Tools & Models

Presentations at August 16, 2007 SAT meeting:

- Marxan/Marzone optimization software to identify areas to meet specific goals (A.
- Single-species fisheries models (R.Hilborn, C. Walters)
- Population sustainability models (L. Botsford)
- Biological-economic models (C. Costello)

Utility of other models in proposal evaluation being discussed at future SAT meetings

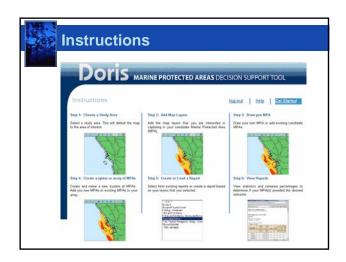


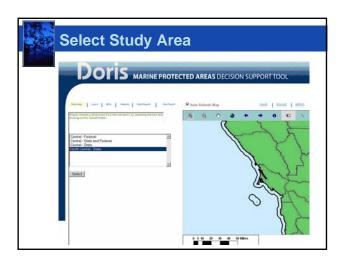
Doris: MPA Decision Support Tool

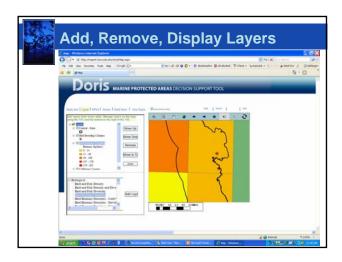
- Doris web-based tool
 - -View data layers
 - -Draw candidate MPAs and "Arrays"
 - -Get reports on features captured
- Developed during central coast process
- Funding
 - -MLPA Initiative
 - -National MPA Science Center
 - -Monterey Bay Sanctuary Foundation
- · Developed by
 - -IM Systems Group, Inc.
 - -MLPA Initiative, state, and federal staff

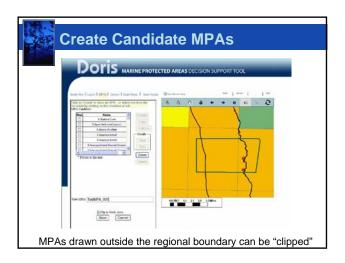
Login Page

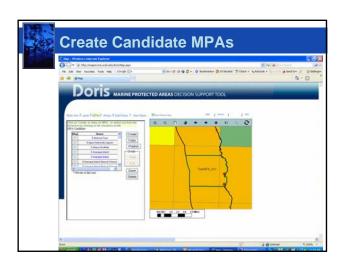
"Doris" is a sea nymph from Greek mythology who represented

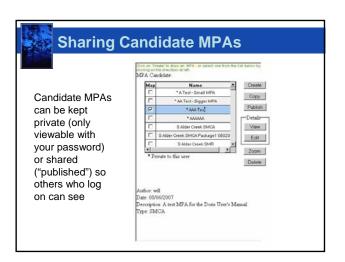


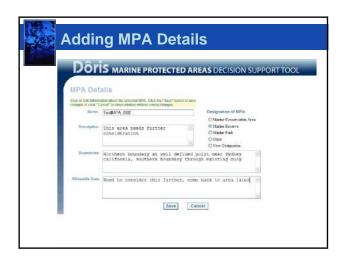


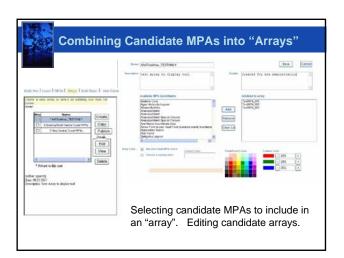


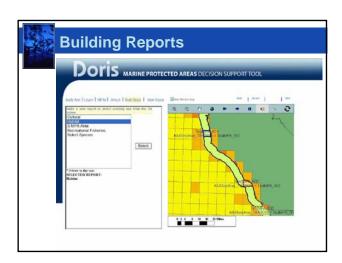


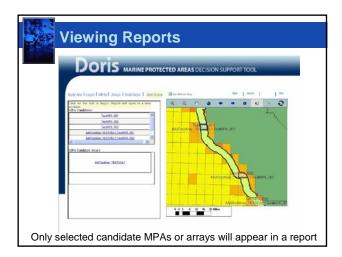














Types of Reports

- Habitat
- · Select species
- · Recreational fisheries
- · Commercial fisheries
- Cultural



Summary

- Doris (and the IMS site) will be updated with new information as it becomes available

 - We will notify you of updates
- New report formats and improvements still underway

 - We welcome your suggestions
- Individual passwords provided
- Breakout session for closer look at tool